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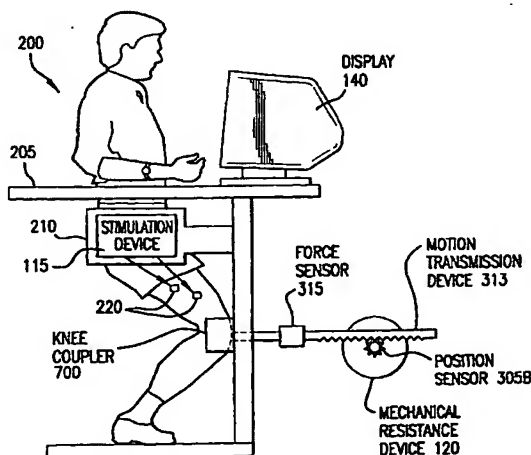
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ning of each regular issue of the PCT Gazette.

(54) Title: **THERAPEUTIC EXERCISE SYSTEM AND METHOD FOR A PARALYZED AND NONPARALYZED NEURO-
MUSCULOSKELETAL TRAINING SYSTEM**



(57) Abstract: The present invention relates to an exercise method for the elderly, individuals with impaired joint control, and a system for individuals who are suffering from muscular paralysis and who may or may not be confined to a wheelchair by the implementation of an exercise device that can safely provide actively supported standing exercise options to persons who either have limited physical mobility or complete loss of mobility due to muscular paralysis. An embodiment of the present invention relates to a standing wheelchair (205) that is used to passively restrain an operator. The axial and tangential loads that are exerted upon the skeletal system of the operator are derived and recorded from a force-sensing device (315). Further, an angle or position sensor (305B) is situated in contact with the standing wheelchair (205) or standing exercise system in such a manner that the standing angle of an individual or the angle of the standing wheelchair can be logged and stored for long periods of time.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09B 3/00

US CL : 482/4

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 482/4, 902; 607/49

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,961,541 A (FERRATI) 5 October 1999, entire document	1-23
A	US 4,947,836 A (LAENDER et al) 14 August 1990, entire document	1-23
A	US 4, 863,157 A (MENDEL et al) 5 September 1989, entire document	1-23
A,P	US 6,456,885 B (SHIBA et al) 24 September 2002, entire document	1-23



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means		
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